Logon

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Thomson File Histories are now available directly through *Dialog*. Combined with the comprehensive patent and trademark information on *Dialog*, file histories give you the most complete view of a patent or trademark and its history in one place. When searching in the following patent and trademark databases, a link to an online order form is displayed in your search results, saving you time in obtaining the file histories you need.

Thomson File Histories are available from the following *Dialog* databases:

- CLAIMS/Current Patent Legal Status (File 123)

- CLAIMS/U.S. Patents (File 340)

- Chinese Patent Abstracts in English (File 344)

- Derwent Patents Citation Index (File 342)

- Derwent World Patents Index (for users in Japan) (File 352)

- Derwent World Patents Index First View (File 331)

- Derwent World Patents Index (File 351)

- Derwent World Patents Index (File 350)

- Ei EnCompassPat (File 353)

- European Patents Fulltext (File 348)

- French Patents (File 371)

- German Patents Fulltext (File 324)

- IMS Patent Focus (File 447, 947)

- INPADOC/Family and Legal Status (File 345)

- JAPIO - Patent Abstracts of Japan (File 347)

- LitAlert (File 670)

- U.S. Patents Fulltext (1971-1975) (File 652)

- U.S. Patents Fulltext (1976-present) (File 654)

- WIPO/PCT Patents Fulltext (File 349)

- TRADEMARKSCAN - U.S. Federal (File 226)

DialogLink 5 Release Notes
New features available in the latest release of DialogLink 5 (August 2006)

- Ability to resize images for easier incorporation into DialogLink Reports

- New settings allow users to be prompted to save Dialog search sessions in the format of their choice (Microsoft Word, RTF, PDF, HTML, or TEXT)

- Ability to set up Dialog Alerts by Chemical Structures and the addition of Index Chemicus as a structure searchable database

- Support for connections to STN Germany and STN Japan services

Show Preferences for details

```
? Help Log On Msg
              *** ANNOUNCEMENTS ***
                    ***
"Thomson File Histories" are now available directly through Dialog

in selected patent and trademark files.  Combined with the

comprehensive patent and trademark information on Dialog, file

histories give you the most complete view of a patent or trademark

and its history in one place. When searching in one of the patent

and trademark databases, a link to an online order form is displayed

in your search results, saving you time in obtaining the file

histories you need.  See HELP FILEHIST for more information about

how to use the link and a list of files that contain the link.


***The 2008 EMTREE Thesaurus has been added to EMBASE (Files 72, 73,

772, and 972)***


RESUMED UPDATING
```

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***File 120, U.S. Copyrights

                    ***

RELOADS COMPLETED

***File 50, CAB Abstracts

***File 162, Global Health

***File 342, Patents Citation Index

***File 227, TRADEMARKSCAN(R) - Community Trademarks

                    ***

FILES RENAMED

***File 321, PLASPEC now known as Plastic Properties Database

                    ***

FILES REMOVED

***Files 476/Financial Times & 473/Financial Times Abstracts

***Files 359,959,804,  Chemical Economics Handbook

***Files 360,960, Specialty Chemicals Update Program

                    ***

>>>For the latest news about Dialog products, services, content<<<

>>>and events, please visit What's New from Dialog at        <<<

>>>http://www.dialog.com/whatsnew/.  You can find news about   <<<

>>>a specific database by entering HELP NEWS <file number>.    <<<


? Help Off Line

* * *

Connecting to Rob Pond - Dialog - 264751

Connected to Dialog via SMS003031735


?  B 15, 9, 610, 810, 275, 476, 624, 621, 636, 613, 813, 16, 160, 634, 148, 20, 35, 583,
65, 2, 474, 475, 99, 256, 348, 349, 347, 635, 570, PAPERSMJ, PAPERSEU, 47

>>>W:          476 does not exist

1 of the specified files is not available
```

[File 610] Business Wire 1999-2008/Aug 12
(c) 2008 Business Wire. All rights reserved.
File 610: File 610 now contains data from 3/99 forward. Archive data (1986-2/99) is available in File 810.

[File 810] Business Wire 1986-1999/Feb 28
(c) 1999 Business Wire . All rights reserved.

[File 275] Gale Group Computer DB(TM) 1983-2008/Aug 06
(c) 2008 The Gale Group. All rights reserved.

[File 624] McGraw-Hill Publications 1985-2008/Aug 13
(c) 2008 McGraw-Hill Co. Inc. All rights reserved.
File 624: Homeland Security & Defense and 9 Platt energy journals added Please see HELP NEWS624 for more

[File 621] Gale Group New Prod.Annou.(R) 1985-2008/Jul 25
(c) 2008 The Gale Group. All rights reserved.

[File 636] Gale Group Newsletter DB(TM) 1987-2008/Aug 05
(c) 2008 The Gale Group. All rights reserved.

[File 613] PR Newswire 1999-2008/Aug 14
(c) 2008 PR Newswire Association Inc. All rights reserved.
File 613: File 613 now contains data from 5/99 forward. Archive data (1987-4/99) is available in File 813.

[File 813] PR Newswire 1987-1999/Apr 30
(c) 1999 PR Newswire Association Inc. All rights reserved.

[File 16] Gale Group PROMT(R) 1990-2008/Aug 06
(c) 2008 The Gale Group. All rights reserved.
File 16: Because of updating irregularities, the banner and the update (UD=) may vary.

[File 160] Gale Group PROMT(R) 1972-1989
(c) 1999 The Gale Group. All rights reserved.

[File 634] San Jose Mercury Jun 1985-2008/Jul 10
(c) 2008 San Jose Mercury News. All rights reserved.

[File 148] Gale Group Trade & Industry DB 1976-2008/Aug 14
(c)2008 The Gale Group. All rights reserved.
File 148: The CURRENT feature is not working in File 148. See HELP NEWS148.

[File 20] Dialog Global Reporter 1997-2008/Aug 14
(c) 2008 Dialog. All rights reserved.

[File 35] Dissertation Abs Online 1861-2008/Apr
(c) 2008 ProQuest Info&Learning. All rights reserved.

[File 583] Gale Group Globalbase(TM) 1986-2002/Dec 13
(c) 2002 The Gale Group. All rights reserved.
File 583: This file is no longer updating as of 12-13-2002.

[File 65] Inside Conferences 1993-2008/Aug 14
(c) 2008 BLDSC all rts. reserv. All rights reserved.

[File 2] INSPEC 1898-2008/Jul W2
(c) 2008 Institution of Electrical Engineers. All rights reserved.

[File 474] New York Times Abs 1969-2008/Aug 14

[File 475] Wall Street Journal Abs 1973-2008/Aug 14

[File 99] Wilson Appl. Sci & Tech Abs 1983-2008/Jul

[File 256] TecInfoSource 82-2008/Feb

[File 348] EUROPEAN PATENTS 1978-200832

[File 349] PCT FULLTEXT 1979-2008/UB=20080807|UT=20080731

[File 347] JAPIO Dec 1976-2007/Dec(Updated 080328)

[File 635] Business Dateline(R) 1985-2008/Aug 14

[File 570] Gale Group MARS(R) 1984-2008/Aug 07

[File 387] The Denver Post 1994-2008/Aug 12

[File 471] New York Times Fulltext 1980-2008/Aug 13

[File 492] Arizona Repub/Phoenix Gaz 19862002/Jan 06
*File 492: File 492 is closed (no longer updating). Use Newsroom, Files 989 and 990, for current records.

[File 494] St LouisPost-Dispatch 1988-2008/Aug 10

[File 631] Boston Globe 1980-2008/Aug 11

[File 633] Phil.Inquirer 1983-2008/Aug 13

[File 638] Newsday/New York Newsday 1987-2008/Aug 13

[File 640] San Francisco Chronicle 1988-2008/Aug 13

[File 641] Rocky Mountain News Jun 1989-2008/Aug 13

[File 702] Miami Herald 1983-2008/Aug 05

[File 703] USA Today 1989-2008/Aug 12

[File 704] (Portland)The Oregonian 1989-2008/Aug 10

[File 713] Atlanta J/Const. 1989-2008/Aug 10

[File 714] (Baltimore) The Sun 1990-2008/Aug 12

[File 715] Christian Sci.Mon. 1989-2008/Aug 14

[File 725] (Cleveland)Plain Dealer Aug 1991-2008/Aug 13

[File 735] St. Petersburg Times 1989- 2008/Aug 13

[File 477] Irish Times 1999-2008/Aug 13

[File 710] Times/Sun.Times(London) Jun 1988-2008/Aug 14

[File 711] Independent(London) Sep 1988-2006/Dec 12
File 711: Use File 757 for full current day's news of the Independent, as as well as full coverage of many additional European news sources.

[File 756] Daily/Sunday Telegraph 2000-2008/Aug 13

[File 757] Mirror Publications/Independent Newspapers 2000-2008/Aug 13

[File 47] Gale Group Magazine DB(TM) 1959-2008/Jul 31

```
?   s pd<20001016

Processing

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>>>W: One or more prefixes are unsupported

  or undefined in one or more files.

S1   78358784   S PD<20001016

? S AU=(boone, b? OR boone b? OR barry(2N)boone) OR BY=(barry(2N)boone)

>>>W: One or more prefixes are unsupported

  or undefined in one or more files.

Input error: Numeric characters expected

       103   AU=BOONE, B?

```
        11    AU=BOONE B?

     94346    AU=BARRY

     10299    AU=BOONE

         4    AU=BARRY(2N)AU=BOONE

       593    BY=BARRY

         3    BY=BOONE

         0    BY=BARRY(2N)BY=BOONE
S2       114    S AU=(BOONE, B? OR BOONE B? OR BARRY(2N)BOONE) OR BY=(BARRY(2N)BOONE)


?  S AU=(sacco, n? OR sacco n? OR nathan(2N)sacco) OR BY=(nathan(2N)sacco)
>>>W:  One or more prefixes are unsupported

  or undefined in one or more files.

Input error: Numeric characters expected
        20    AU=SACCO, N?

         6    AU=SACCO N?

     18375    AU=NATHAN

       161    AU=SACCO

         6    AU=NATHAN(2N)AU=SACCO

        13    BY=NATHAN

         1    BY=SACCO

         0    BY=NATHAN(2N)BY=SACCO
S3        26    S AU=(SACCO, N? OR SACCO N? OR NATHAN(2N)SACCO) OR BY=(NATHAN(2N)SACCO)


?  S AU=(chard, r? OR chard r? OR rhys(2N)chard) OR BY=(ryhs(2N)chard)
>>>W:  One or more prefixes are unsupported

  or undefined in one or more files.

Input error: Numeric characters expected
        12    AU=CHARD, R?

         5    AU=CHARD R?

      6615    AU=RHYS

        86    AU=CHARD

         2    AU=RHYS(2N)AU=CHARD

         0    BY=RYHS

         0    BY=CHARD
```

```
            0    BY=RYHS(2N)BY=CHARD
S4         17    S AU=(CHARD, R? OR CHARD R? OR RHYS(2N)CHARD) OR BY=(RYHS(2N)CHARD)


?  s s1 and (s2 or s3 or s4)
     78358784    S1
          114    S2
           26    S3
           17    S4
S5         24    S S1 AND (S2 OR S3 OR S4)


?  s s5 and (file(5n)map)
Processing
           24    S5
      3867351    FILE
      1822748    MAP
        11473    FILE(5N)MAP
S6          0    S S5 AND (FILE(5N)MAP)


?  s s5 and ebay or ebay(w)com
Stop request submitted
>>>P:  Processing stopped


?  s s5 and (ebay or (ebay(w)com))
Processing
Processing
Processing
Processing
Processing
Processing
Processing
           24    S5
       258505    EBAY
       258505    EBAY
     32825319    COM
```

```
         18706    EBAY(W)COM
S7          0    S S5 AND (EBAY OR (EBAY(W)COM))


?  rd s5

>>>W:  Duplicate detection is not supported for File 348.

Duplicate detection is not supported for File 349.

Duplicate detection is not supported for File 347.

Records from unsupported files will be retained in the RD set.

S8         22   RD S5   (UNIQUE ITEMS)



?  t s8/free/all

>>>W:   "FREE" is not a valid format name in file(s): 347-349
```

8/8/1 (Item 1 from file: 15)
ABI/Inform(R)
(c) 2008 ProQuest Info&Learning. All rights reserved.
02577229   283024081
Artificial neural network and the financial markets: A survey

2000
Geographic Names: United States; US

Descriptors: Neural networks; Models; Securities markets; Investors
Classification Codes: 5240 (CN=Software & systems); 3400 (CN=Investment analysis & personal finance); 9130
(CN=Experimental/Theoretical); 9190 (CN=United States)
Print Media ID: 14828

8/8/2 (Item 2 from file: 15)
ABI/Inform(R)
(c) 2008 ProQuest Info&Learning. All rights reserved.
01512358   01-63346
          USE FORMAT 7 OR 9 FOR FULL TEXT
Sailing into the next century
  Word Count: 1770 Length: 2 Pages
Feb 1997
Company Names:
Port of Rotterdam
Geographic Names: Netherlands

Descriptors: Ports; Shipping industry; Competitive advantage; Strategic planning; Target markets
Classification Codes: 9175 (CN=Western Europe); 8350 (CN=Transportation industry); 2310 (CN=Planning); 7500
(CN=Product planning & development)

8/8/3 (Item 3 from file: 15)
ABI/Inform(R)
01327749   99-77145
        USE FORMAT 7 OR 9 FOR FULL TEXT
Regaining the competitive edge: Partnership through outsourcing
  Word Count: 610 Length: 1 Pages
Nov 1996
Geographic Names: US

Descriptors: Retail banking; Customer services; Outsourcing; Technological change; Advantages; Bank automation
Classification Codes: 9190 (CN=United States); 8120 (CN=Retail banking); 5120 (CN=Purchasing); 2400 (CN=Public relations); 5240 (CN=Software & systems)

8/8/4 (Item 4 from file: 15)
ABI/Inform(R)
00036419   76-02203
PROCURING MINICOMPUTER SYSTEMS

FEB. 1976

Descriptors: Minicomputers; Buying; Decisions; Distribution channels
Classification Codes: 5200 (CN=Communications & information management); 7400 (CN=Distribution)

8/8/5 (Item 1 from file: 275)
Gale Group Computer DB(TM)
01599266   Supplier Number: 13761896 (Use Format 7 Or 9 For FULL TEXT)
Letters. (Letter to the Editor)

June 15 , 1993
Word Count: 1363   Line Count: 00103
File Segment: CD File 275

8/8/6 (Item 2 from file: 275)
Gale Group Computer DB(TM)
01273593   Supplier Number: 07318071
The impact of high technology: a survey of rural, suburban and urban library media centers.

Jan , 1989

Special Features: illustration; table
Descriptors: School Libraries; Audio Visual; Education; Computer Education; Video Systems
SIC Codes: 8211 Elementary and secondary schools; 8231 Libraries
File Segment: CD File 275

8/8/7 (Item 1 from file: 99)
Wilson Appl. Sci & Tech Abs
1740660 H.W. Wilson Record Number: BAST98061279
Electrochemistry of S adlayers at underpotentially deposited Cd on Au(111): implications for the electrosynthesis of high-quality CdS thin films

Descriptors: Cadmium sulfide--Spectra; Atomic layer epitaxy; Thin semiconductor films ;
19980820

8/8/8 (Item 2 from file: 99)
Wilson Appl. Sci & Tech Abs
1339054 H.W. Wilson Record Number: BAST96040153
Optical properties of ultrathin electrodeposited CdS films probed by resonance Raman spectroscopy and photoluminescence

Descriptors: Chalcogenide films--Spectra; Cadmium sulfide--Optical properties; Atomic layer epitaxy ;
19960530

8/8/9 (Item 3 from file: 99)
Wilson Appl. Sci & Tech Abs
1334642 H.W. Wilson Record Number: BAST96022288
A crystallographic map of chiral recognition in p complexes of aromatic aldehydes and a chiral transition metal Lewis acid: enantioface binding selectivities in solution correlate to distances between metal and carbon stereocenters in the solid state

Descriptors: Aldehydes--Crystallography; Diastereomers; Pi bonds ;
19960313

8/8/10 (Item 4 from file: 99)
Wilson Appl. Sci & Tech Abs

1201061 H.W. Wilson Record Number: BAST94069722
Simultaneous bolometric and nonbolometric microwave response in biepitaxial Y-Ba-Cu-O thin films

Descriptors: High temperature superconductors-- Measurement uses; Microwaves--Measurement ;
19941101

8/8/11 (Item 5 from file: 99)
Wilson Appl. Sci & Tech Abs
1139695 H.W. Wilson Record Number: BAST94008243
Model of the microwave response in granular Bi-Sr-Ca-Cu-O thin films

Descriptors: Bismuth strontium calcium copper oxides-- Radiation effect; Superconductors--Measurement uses;
Microwaves-- Measurement ;
19931201

8/8/12 (Item 6 from file: 99)
Wilson Appl. Sci & Tech Abs
0952594 H.W. Wilson Record Number: BAST91016849
Microwave detection using granular Bi-Sr-Ca-Cu-O thin films

Descriptors: Microwaves--Measurement; High temperature superconductors--Measurement uses; Microwave
antennas ;
19910215

8/8/13 (Item 7 from file: 99)
Wilson Appl. Sci & Tech Abs
0644117 H.W. Wilson Record Number: BAST86013125
Evaluating program generators for micros [book review]

19860100

8/8/21 (Item 1 from file: 47)
Gale Group Magazine DB(TM)
02070564   Supplier Number: 01810920
The "why" of one love poem.

Feb , 1981
Descriptors: Macbeth (Theater)--Study and teaching; English language--Study and teaching
Named Persons: Shakespeare, William--Study and teaching
File Segment: MI File 47

8/8/22 (Item 2 from file: 47)
Gale Group Magazine DB(TM)
01012394   Supplier Number: 00059393
Story-book bear?

Jun , 1959
Descriptors: Bear hunting; Hunting--Canada
Geographic Codes: NNCN
File Segment: MI File 47

>>>W: "FREE" is not a valid format name in file(s): 347-349

8/8/21 (Item 1 from file: 47)
Gale Group Magazine DB(TM)
02070564   Supplier Number: 01810920
The "why" of one love poem.

Feb , 1981
Descriptors: Macbeth (Theater)--Study and teaching; English language--Study and teaching
Named Persons: Shakespeare, William--Study and teaching
File Segment: MI File 47

8/8/22 (Item 2 from file: 47)
Gale Group Magazine DB(TM)
01012394   Supplier Number: 00059393
Story-book bear?

Jun , 1959
Descriptors: Bear hunting; Hunting--Canada
Geographic Codes: NNCN
File Segment: MI File 47

>>>W: "FREE" is not a valid format name in file(s): 347-349

8/8/21 (Item 1 from file: 47)
Gale Group Magazine DB(TM)
02070564   Supplier Number: 01810920
The "why" of one love poem.

Feb , 1981
Descriptors: Macbeth (Theater)--Study and teaching; English language--Study and teaching
Named Persons: Shakespeare, William--Study and teaching
File Segment: MI File 47

8/8/22 (Item 2 from file: 47)
Gale Group Magazine DB(TM)
01012394   Supplier Number:

00059393
Story-book bear?

Jun , 1959
Descriptors: Bear hunting; Hunting--Canada
Geographic Codes: NNCN
File Segment: MI File 47

>>>W: "FREE" is not a valid format name in file(s): 347-349

Jun , 1959
Descriptors: Bear hunting; Hunting--Canada
Geographic Codes: NNCN
File Segment: MI File 47

8/8/22 (Item 2 from file: 47)
Gale Group Magazine DB(TM)
(c) 2008 The Gale group. All rights reserved.
01012394   Supplier Number: 00059393
Story-book bear?

Jun , 1959
Descriptors: Bear hunting; Hunting--Canada
Geographic Codes: NNCN
File Segment: MI File 47

? t s8/k/all

8/K/1 (Item 1 from file: 15)
ABI/Inform(R)
...Boone, Bryan E

8/K/2 (Item 2 from file: 15)
ABI/Inform(R)
Boone, Barbara

8/K/3 (Item 3 from file: 15)
ABI/Inform(R)
Boone, Bill

8/K/4 (Item 4 from file: 15)
ABI/Inform(R)
BOONE, BILL

8/K/5 (Item 1 from file: 275)
Gale Group Computer DB(TM)
...Boone, Barry
19930615

8/K/6 (Item 2 from file: 275)
Gale Group Computer DB(TM)
Boone, Barbara...
19890100

8/K/7 (Item 1 from file: 99)
Wilson Appl. Sci & Tech Abs
Boone, B. Edward...
19980820

8/K/8 (Item 2 from file: 99)
Wilson Appl. Sci & Tech Abs
Boone, B. Edward
19960530

8/K/9 (Item 3 from file: 99)
Wilson Appl. Sci & Tech Abs
Boone, Brian J
19960313

8/K/10 (Item 4 from file: 99)
Wilson Appl. Sci & Tech Abs
Boone, B. G
19941101

8/K/11 (Item 5 from file: 99)
Wilson Appl. Sci & Tech Abs

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Boone, B. G...
19931201

8/K/12 (Item 6 from file: 99)
Wilson Appl. Sci & Tech Abs
Boone, B. G
19910215

8/K/13 (Item 7 from file: 99)
Wilson Appl. Sci & Tech Abs
Chard, R. A
19860100

8/K/14 (Item 1 from file: 348)
EUROPEAN PATENTS

Inventor:

• BOONE, Bradley, P...
    ; ;

Country	Number	Kind	Date		
Type		Pub. Date		Kind	Text
Available Text		Language		Update	Word Count
Total Word Count (Document A)					
Total Word Count (Document B)					
Total Word Count (All Documents)					

8/K/15 (Item 2 from file: 348)
EUROPEAN PATENTS

Inventor:

• Chard, Ronald...
    ; ;

Country	Number	Kind	Date		
Type		Pub. Date		Kind	Text
Available Text		Language		Update	Word Count
Total Word Count (Document A)					
Total Word Count (Document B)					
Total Word Count (All Documents)					

8/K/16 (Item 3 from file: 348)
EUROPEAN PATENTS

Inventor:

• Chard, Ronald...
     ; ;

Country	Number	Kind	Date		
Type		Pub. Date		Kind	Text
Available Text		Language		Update	Word Count
Total Word Count (Document A)					
Total Word Count (Document B)					
Total Word Count (All Documents)					

8/K/17 (Item 4 from file: 348)
EUROPEAN PATENTS

Inventor:

• Chard, Ronald...
     ; ;

Country	Number	Kind	Date		
Type		Pub. Date		Kind	Text
Available Text		Language		Update	Word Count
Total Word Count (Document A)					
Total Word Count (Document B)					
Total Word Count (All Documents)					

8/K/18 (Item 1 from file: 349)
    Fulltext available through: Order File History
PCT FULLTEXT

	Country	Number	Kind	Date
Patent				19

8/K/19 (Item 2 from file: 349)
    Fulltext available through: Order File History
PCT FULLTEXT

	Country	Number	Kind	Date
Patent				19

8/K/20 (Item 3 from file: 349)
    Fulltext available through: Order File History
PCT FULLTEXT

	Country	Number	Kind	Date
Patent				19

8/K/21 (Item 1 from file: 47)
Gale Group Magazine DB(TM)
Boone, Beth
19810200

8/K/22 (Item 2 from file: 47)
Gale Group Magazine DB(TM)

Boone, Bill
19590600

? t s8/7/5

Text:

GREEN BASHING

PC Magazine and Bill Howard should resist such trends as "The Politically
Correct PC" (March 30, 1993) with all their energy. The so-called
environmental movement is dominated by Socialist and other leftist groups
that can't get their programs adopted on their own merits. Computers have
no place in the world they are planning for us. Bill Howard would do well
to consider the fact that many of the physical and chemical processes that
are fundamental to manufacturing PCs would be outlawed or rendered more
expensive if the "Greens" prevailed in the current debate. In fact, PC
Magazine would be politically incorrect and lose its audience, since PCs
would no longer be a mass-market item.
    James F. Glass
    Chatsworth, California
    WATTS THE REAL DAMAGE?
    A typical PC does not draw 150 watts today. Tests show a range of 60
to 140 watts, with most drawing less than 100 watts. Bill Howard ("The
Politically Correct PC") says a traditional system uses $35 worth of
electricity per year. If a traditional system draws 150 watts, the cost of
electricity would have to be 2.7 cents per kilowatt hour. But, in fact, the
national average is probably about 8 cents per kilowatt hour, with a range
of 5 cents to 15 cents. An EPA "Energy Star" system drawing 60 watts would
have to buy electricity at 2.3 cents per kilowatt hour in order to cost $12
per year to operate.
    Howard also states that it takes 1.5 watts of cooling energy to offset
each watt of PC energy. That is not correct. A typical air conditioning
unit adds about 0.3 watts for each watt of PC use.

Lawrence G. Spielvogel

King of Prussia, Pennsylvania
While pleased to see any airing of environmental matters in an influential computer magazine, I must take issue with Bill Howard's restatement of the widely held misconception that "a typical PC and monitor draws 150 watts today." That figure is hopelessly low.

The underestimate doubtlessly is caused by confusing input required with output supplied. Even the power supply of the original IBM PC, which was rated at a meager 63.5 watts of DC output, consumed 300 watts. My own 386/25 clone with a 200-watt power supply has, according to the statement on the power supply, a rated consumption of "90-130 VAC 6 AMP," or approximately 660 watts (110 volts times 6 amps). A 150-watt power supply would therefore consume 495 watts. A PC consuming 495 watts around the clock rather than 150 would cost $346 per year in electricity, not $105 as Howard concludes.

Norm Sabowitz

Halifax, Nova Scotia, Canada
Volts times amps does equal watts, but what's stamped on the power supply only tells you the maximum safe load for the power supply, not that the PC is actually drawing anywhere near 660 to 720 watts. Two PCs we tested recently ("The Green Machine," May 25, 1993) drew 124 and 162 watts, including the monitors. (Some small, new systems may be closer to 100 than 150 watts.) Our calculation that contemporary PCs use $35 of electricity yearly was based on a 150-watt system running 9 hours each workday in a place where electricity costs 10 cents per kilowatt hour, as it does in the New York City area. You get roughly the same answer if it's 12 hours a day and 8-cent electricity, which is how the EPA does its calculation. A system left on around the clock burns $105 to $135 of electricity each year.--Ed.

HELLO, EGGHEAD? EUROPE HERE. COULD YOU SEND ME. . .?

John C. Dvorak hit the nail on the head in his March 16, 1993, Inside Track when he criticized software companies' treatment of overseas users. I've lived outside the U.S. for nine years and have found it almost always cheaper to purchase software with a credit card from the U.S., with added costs of surcharges, airmail, and import duties, than to buy the same products off the shelf at "discount" dealers over here. And although I've registered many packages, I'm rarely notified of an upgrade. It's hard to justify the high prices paid here, and easy to see why virtually everybody I know with a computer has pirated software. Entertainment software vendors lead the pack in nonresponsiveness, though it seems they have the most to lose from piracy. There's a vast market for PC software outside the U.S.; I can't believe software makers won't acknowledge it.

Ed Senechal

Dortmund, Germany
THE FUTURE IS NOW

In "The Next Software Revolution" (March 30, 1993), Michael J. Miller writes that Microsoft, IBM, and Apple are "leading the way" to document-oriented computing, but he seems unaware that GO Corp. has had a document-oriented environment in its pen-based operating system, PenPoint, since it was released in April 1992. PenPoint supports not only the embedded objects but also embedded documents, where a drawing can exist inside a word processing document, which can exist inside a spreadsheet,

and so on. What does the developer have to do in order to support this level of integration? Absolutely nothing. All the behavior is inherited by each application from PenPoint's object-oriented architecture. How can other players be leading the way to a place where GO Corp. has already arrived?

Barry Boone
Seattle, Washington

You're absolutely right. PC Magazine recognized GO Corp.'s pioneering efforts at Fall Comdex '91, when we gave the company an Award for Technical Excellence (December 31, 1991).--Ed

QWERTY IS STILL QUIRKY

I have noted quite a number of items in PC Magazine about "alternative" keyboard designs ("Keyboards Split," Trends, March 30, 1993). What these designs fail to recognize, however, is that breaking the keyboard in two in order to provide a more favorable hand/wrist angle is only half of the battle. These keyboards still feature a long-obsolete key layout.

When the QWERTY layout was designed in the early 1870s, touch typing had not even been thought of yet. The finger gymnastics required to touch type on a QWERTY keyboard are in large part responsible for many of the repetitive motion injuries associated with keyboards. It's time manufacturers improved this most basic user interface. Until all these new keyboards can provide custom layouts, though, none of them can truly be considered "ergonomic."

Randy Cassingham
Upland, California

A VIRUS BY ANY OTHER NAME. . .

In your review of our product, Victor Charlie ("Antivirus Software: Keeping Up Your Guard," March 16, 1993), you note that the program's signature library doesn't name viruses, and you describe this as idiosyncratic. On the contrary, it is the naming of viruses that is idiosyncratic. The 13 viruses used in your testing, for instance, are known by 47 different names. Both the flamboyant naming of viruses and the intense task of identifying viruses and their strains arguably encourage the writing of new and different viruses.

One way we approached research was to develop an antivirus program to capture virus signatures on the fly, making it possible to detect and track new file-infecting viruses with no name of any kind. Indeed, many viruses will never have names. Detection of a large number of viruses is of no interest to the user with only one virus loose on his or her machine or network.

Alan Dawson
Bangkok Security Associates
Bangkok, Thailand

A FONT IS A FONT IS A FONT

I think it would be useful if PC Magazine printed a chart of equivalent Windows fonts. I had the TrueType fonts that come with Microsoft Windows 3.1. Later I purchased Bitstream's TrueType font package and MicroLogic's MoreFonts. While I don't have a large financial investment in fonts, I think I've spent my money unwisely because font manufacturers don't make it clear that one of their font styles under one name is nearly

equivalent to a font under another name. For example, the MoreFonts Journal
font could be a Courier font.
　　　James Egan
　　　North Tarrytown, New York

? s s1 and (ebay or ebay(w)com)

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

　　78358784 S1

　　　258505 EBAY

　　　258505 EBAY

　　32825319 COM

　　　18706 EBAY(W)COM

S9　　45332 S S1 AND (EBAY OR EBAY(W)COM)

? s (map or mapping or maps or mapped)(3n)(file or files)

Processing

　　1822748 MAP

　　653330 MAPPING

　　690709 MAPS

　　232899 MAPPED

```
     3867351  FILE

     2052604  FILES

S10    20241  S (MAP OR MAPPING OR MAPS OR MAPPED)(3N)(FILE OR FILES)


? s s9 and s10

     45332  S9

     20241  S10

S11     4  S S9 AND S10


? t s11/k/all
```

11/K/1 (Item 1 from file: 275)
Gale Group Computer DB(TM)

Text:

```
...economy" have faced embarrassingly persistent service degradations and
outages in recent months. MCI WorldCom and eBay are the two most
recent exemplars of the fundamental difficulty of distributed network and
systems...



...in Visio files (or those of any graphic display program that takes the
trouble to map MOF files to boxes and connecting lines). The
figure on page 52 shows a sample schema representation...



19991001
```

11/K/2 (Item 1 from file: 16)
Gale Group PROMT(R)

```
-


...3 shows, each instruction set has its own logical view of the same
physical register file, with SHcompact registers mapped onto
the SHmedia registers. This allows programs to share data between modes
without copying values...surplus of on- chip buses that pretty soon they'll
be appearing for sale in eBay auctions, but Hitachi and ST think
```

there's room for one more. At least it...

19991006

11/K/3 (Item 2 from file: 16)
Gale Group PROMT(R)
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  Supplier Number: (USE FORMAT 7 FOR FULLTEXT)

Text:

...economy" have faced embarrassingly persistent service degradations
and outages in recent months. MCI WorldCom and eBay are the two most
recent exemplars of the fundamental difficulty of distributed network and
systems...

...in Visio files (or those of any graphic display program that takes the
trouble to map MOF files to boxes and connecting lines). The
figure on page 52 shows a sample schema representation...

19991001

11/K/4 (Item 1 from file: 349)
  Fulltext available through: Order File History
PCT FULLTEXT
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Patent Applicant/Patent Assignee:

• EBAY INC...;
    ;;

	Country	Number	Kind	Date
Patent				19

Detailed Description:

...of buying and sellincr online by way of person-to-person online trading pioneered by eBay Inc., the assignee of the present invention. As a result, collectors, hobbyists, small dealers. unique...person trading site according to one embodiment of the present invention.

Figure 10 illustrates memory mapped file access to the thumb database according to one embodiment of the present invention.

DETAILED DESCRIPTION...the scheme. URLs are, therefore, written as follows.

<scheme>:<scheme-specific part>
For example, the eBay home page is currently located at the following URL.

"http:Hwww.ebay.com". The scheme is "hap" and the scheme-specific part is www.ebay.com".

At step 730, multiple image downloads are started using a sockets-based interface.

Prior to...to represent the image reference in the form of a query, e.g.,
http:Hcui.ebay.corn/cgi/DBAPI.dll?GetImage&item=item number. However, while the former representation would be...infine image tags, for the desired thumbnail images.

Thumb Database Access
Figure 10 illustrates memory mapped file access to the thumb database 1020 according to one embodiment of the present invention. According... ...can be completely loaded into a virtual address space 1015 and accessed as a memory mapped file.

According to one embodiment, each database entry comprises a length field and image data. The... ...that would not provide sufficient caching, it opens the thumb database 1020 as a memory mapped file. As a result, the thumb database is loaded completely into a continuous block 1025 of...

Claims:

...of a process starting at a first address comprises opening the database as a memory mapped file.

11 A method of generating HyperText Markup Language (HTML), the method
comprising the steps of... ...1, wherein the imacre is stored in a database that is accessed as a memory mapped file.
15 A method of displaying items, the method comprising the steps of:
storing in a...

?